

SUBCHAPTER 2. USE OF SOURCES OF IONIZING RADIATION AND SPECIAL EXEMPTIONS

7:28-2.1 Authorized use of sources of ionizing radiation

No person shall use, operate, receive, possess, dispose, transfer, install, transport or store sources of ionizing radiation in a manner other than prescribed in this chapter.

No person shall cause, suffer, allow or permit any person to use, operate, receive, possess, dispose, transfer, install, transport or store sources of ionizing radiation in a manner other than prescribed in this chapter.

7:28-2.2 Supervision

- (a) All sources of radiation, except those specifically exempted by other sections of this chapter, shall be under the supervision of at least one person who has demonstrated to the Department, or to any agency recognized by the Department, that the person's training and experience satisfies the Department requirements in the following areas of radiation protection:
 - 1. Principles and practices of radiation protection;
 - 2. X-ray and/or radioactivity measurements and monitoring techniques and instruments;
 - 3. Mathematics and calculations basic to the use of radiation;
 - 4. Biological effects of radiation; and
 - 5. Any additional information, qualifications or experience as may be required by the Department.
- (b) Any person applying to the Department for a license, registration or certificate pursuant to this chapter, shall include in his application the name of at least one person who has satisfied the requirements of (a) above.

7:28-2.3 Instruction

- (a) All persons working in or frequenting the vicinity of radiation-producing machines or radioactive material shall be instructed in the operation and/or use of the sources of radiation and the function and need of any applicable safeguards for the sources of radiation, in accordance with preestablished procedures that have been documented and are on file for review and inspection.
- (b) All visitors to controlled areas shall be instructed or escorted to prevent unnecessary exposure to radiation. See N.J.A.C. 7:28-7.4(a)4 (Use of personnel monitoring equipment for visitors).

7:28-2.4 Unattended radiation sources

No person shall cause, suffer, allow or permit any source of radiation to remain unattended and accessible to unauthorized use.

7:28-2.5 Protective devices, systems or mechanisms

- (a) No person shall operate a radiation-producing machine or utilize radioactive material whenever shielding for the source of radiation, permits levels of radiation that exceed or have the potential to exceed the radiation limits specified in N.J.A.C. 7:28-6.2 (Radiation levels outside controlled areas).
- (b) No person shall operate a radiation-producing machine or utilize radioactive material whenever any device, system or mechanism designed for the protection against radiation required by this chapter has not been installed or is operating improperly.

7:28-2.6 Intentional human irradiation

- (a) Only persons licensed or otherwise permitted by law shall arrange for irradiation, application or administration of radiation to a human being or any part thereof, for the purpose of medical diagnosis or treatment.
- (b) No provision in N.J.A.C. 7:28 regarding the treatment of human beings in the healing arts is intended to conflict with, supplant or supersede any requirement of the Medical Practices Act of New Jersey.

7:28-2.7 Exemptions for prevention or control of diseases

Rules contained in N.J.A.C. 7:28-6 or 7 and 7:28-13.2 (Reportable radiation incidents) shall not apply insofar as they relate to the intentional exposure of human beings to radiation for the purpose of diagnosis, treatment or investigation for the prevention or control of disease.

7:28-2.8 Special exemptions

The Department, upon application and a showing of hardship or compelling need, with the approval of the Commission, may grant an exemption from any requirement of these rules should it determine that such exemption will not result in any exposure to radiation in excess of the limits permitted by N.J.A.C. 7:28-6 (Permissible Dose Rates, Radiation Levels and Concentrations).

7:28-2.9 Prohibited use

- (a) Hand-held fluoroscopic screens shall not be used.
- (b) Shoe-fitting fluoroscopic devices shall not be used.

7:28-2.10 Emergency precautions

- (a) All owners of radioactive materials shall make a study of potential radiation hazards which may arise from radiation incidents, theft of radio-active materials, fires, floods, windstorms and other disasters within and near the installation with regard to the protection of the following:

1. Tenants and employees;
 2. Emergency workers;
 3. General public; and
 4. Fire fighters and police.
- (b) Such studies shall be made for radioactive materials on hand and shall be made in advance of the receipt of additional radioactive materials.
- (c) An emergency operational plan, prepared from these studies, shall inform all persons concerned of their duties and responsibilities. This plan shall be made available to the Department on request.

7:28-2.11 Inspections

- (a) All persons shall afford the Department an opportunity to inspect any source of radiation and the operation associated with the source of radiation as well as the facilities and premises where the source of radiation is being used or stored.
- (b) Upon request of the Department all persons shall make available for inspection by the Department records kept pursuant to the rules in N.J.A.C. 7:28.

7:28-2.12 Tests

Upon request of the Department, all persons shall perform, and/or permit the Department to perform if it so desires, such tests as the Department deems appropriate or necessary for the administration of this chapter.